COMPACTING AN INFORMATION ARRAY DISPLAY TO COPE WITH TWO DIMENSIONAL DISPLAY SPACE CONSTRAINT

ABSTRACT

This invention relates to computer implemented methods for accomodating elements of an information array within the physical constraints of a predetermined two dimensional display space. The maldistribution and wastage of space inherent to matrix format display is sought to be minimized by allocating space based on moderated display space requirement values of larger elements. A measurement of lopsidedness of distribution of larger elements across columns and across rows is used while allocating column widths and row heights. If the display space is inadequate for displaying the array elements in matrix format, then the elements are displayed in Tall/Wall format wherein the row/column alignment of cells, respectively, is not maintained. The information array elements may include text, image or both. Methods such as font size reduction, text abbreviation and image size reduction are used in combination with space allocation methods to fit the array elements into corresponding cells in the display space.